Amendments to the Claims:

Please replace all prior versions, and listings of claims in the application with the following listing of claims.

Listing of claims

Claim 1 (Currently Amended): A radio transceiver, comprising:

a receiver, for receiving radio signals;

a quality estimator, for estimating a first measure of quality of received radio signals, the quality estimator using an estimation algorithm having a response speed; and

a speed estimator, for obtaining a measure of relative velocity of the transceiver, wherein[[;]]:

the measure of relative velocity is used as an input to the quality estimator, and the response speed of the estimation algorithm is controlled in response to the measure of velocity of the transceiver; and

the radio transceiver further comprises:

a comparison circuit, for comparing the estimated first measure of quality with a threshold value thereof; and

a control circuit, for transmitting a power control signal to a further transceiver, based on the result of said comparison.

Claim 2 (Original): A radio transceiver as claimed in claim 1, wherein the estimated first measure of quality is the signal-to-interference ratio.

Claim 3 (Canceled)

Claim 4 (Previously Presented): A radio transceiver as claimed in claim 1, wherein the estimated first measure of quality threshold value is set to achieve a target value of a second measure of quality.

Claim 5 (Original): A radio transceiver as claimed in claim 4, wherein the second measure of quality is a bit error rate.

Claim 6 (Original): A radio transceiver as claimed in claim 4, wherein the second measure of quality is a frame error rate.

Claim 7 (Canceled)

Claim 8 (Previously Presented): A radio transceiver as claimed in claim 1, wherein the response speed of the estimation algorithm is controlled such that a first higher response speed is used in the event of a low measure of velocity of the transceiver, and a second lower response speed is used in the event of a high measure of velocity of the transceiver.

Claim 9 (Previously Presented): A mobile station, including a radio transceiver as claimed in claim 1.

Claim 10 (Previously Presented): A base station, including a radio transceiver as claimed in claim 1.

Claim 11 (Previously Presented): A method of estimating quality of received radio signals in a transceiver, comprising:

obtaining a measure of relative velocity of the transceiver; and

estimating the quality using an estimation algorithm, including using the measure of relative velocity as an input to the estimation algorithm, wherein the quality estimation algorithm has a response speed, and the response speed of the estimation algorithm is controlled in response to the measure of relative velocity of the transceiver,

wherein the response speed of the estimation algorithm is controlled such that a first higher response speed is used in the event of a low measure of velocity of the transceiver, and a second lower response speed is used in the event of a high measure of velocity of the transceiver.

Claim 12 (Original): A method as claimed in claim 11, wherein the estimated measure of quality is the signal-to-interference ratio.

Claim 13 (Canceled)

Claim 14 (Canceled)

Claim 15 (Canceled)

Claim 16 (Canceled)

Claim 17 (Canceled)

Claim 18 (Canceled)